Answers to Vendor Questions for Project No. 558-320,

Renovate CLC and Hospice, Bldg. 23

Submitted by ECS Carolinas on 3/18/2015:

ECS Carolinas, LLP is interested in providing construction materials testing, geotechnical engineering, facilities, and/or environmental services for the Renovate and Expand CLC and Hospice Building 23 project in Durham. Can you please provide more information on the specific services that will be needed and plans if possible? Review the construction documents for the required testing services.

Submitted by HICAPS on 3/24/2015:

1. The scope makes reference to both IP and Analog cameras. What types of cameras are requested? IP cameras only, review the Specification Section 28 23 10

2. Is there any preferred camera manufactures for the CCTV system? There are no preferred camera manufacturers for the CCTV system. The IP cameras are V920D-N39IP. Any outside PTZ dome camera have generally been VICON SurveyorVFT models SVFT-W35.
3. Is there additional video storage capacity required? If so, what type (NVR, Hybrid, etc.)? How much additional storage (TB)? Review the Specification Section 28 23 10
4. Does this new CCTV system integrate into the existing campus system? Who installed the existing?
   No. It is all one system. It has a digital head-in and sever with both IP and analog cameras (encoder for each) providing video. SIMPLEX-GRINNELL installed and contact info;
   David Kaczmarek | Integrated Security Sales Representative **| SimplexGrinnell,** Tel: 919-279-6400 | Direct 1-919-279-6400 x 276 | Fax: 919-279-6439, Cell: 919-410-5520 | 540 Civic Blvd Suite 105 Raleigh, NC 27610

5. Is there any existing integration between Access control and CCTV? The spec calls for integration. Is this required? Who are the contacts for the current AC and CCTV systems?
   No, SONITROL SECURITY OF THE TRIANGLE installed all door access and contact info;
   Jacob Beasley - #27853-SP-LV, Installation Manager – Senior Technician, Cell: (919) 610 – 1922, 901 Paverstone Dr., Raleigh NC 27615, www.Sonitroltriangle.com

6. On Interior design sheets IN102, IN103 and IN102D, floor finishes are not called out for all of the rooms. Are there typicals that should be followed, or should we assume that flooring is only going in areas that have a finish called out?

   Please make sure full scope of work is understood. Refer to Phasing Plan located on sheet G004. Rooms that are not in scope of work do not have interior finishes specified.

   In areas that are with in scope that do not show floor finishes, refer to enlarged plans. These will be located within the 400 series. Example. Family Kitchen N1132

finishes are detailed out on sheet A-403. This is coordinated thru an enlarged call-out located on sheet IN102D.

Interior elevations showing finishes are also located on sheets within the A-400 series.

Graphics are not shown in Resident Rooms N1112 and N1111. This is a graphic error and these two rooms are to be considered typical resident rooms and the finishes are called out on sheet A-401.

7. On Interior design sheets IN102, IN103 and IN102D, hatching for the various areas is inconsistent with respect to which finish they designate. Is there a key corresponding to the hatchings? Please clarify.
   Hatching is to illustrate floor material transitions and are not keyed to one specific material. Refer to enlarged plans within the A-400 series for specific material locations, dimensions and alignments.
8. On Interior design sheets IN102, IN103 and IN102D, there are several areas receiving multiple finishes (i.e. CORR C1-11). Please clarify as to precisely which finish goes where.
   The majority of the corridor finishes are spelled out within the enlarged plans located within the A-400 sheets series. However, it appears that NS Alcove 1136 and NS Alcove 1126 are not. The flooring material is dimensioned on sheet IN102D, but the flooring is not shown specific locations. To clarify, LVT-3A is to be inset within LVT-2. A similar installation is shown on the typical resident room enlargement. The wall base in these two locations is also to be RB-1.

Submitted by HICAPS on 3/26/2015:

1. The specifications include Section 10 14 00 Signage but no signage drawings or signage schedule is provided. Is signage included in the project? If so, please provide drawings and/or signage schedule. Signage is not included within this project.

Submitted by MSK Construction on 3/27/2015:

RFI 15060-001: Keyed Note 6 indicates a continuation of four 5" conduits from a ductbank, but there is no callout of Note 6 on the plan to indicate where Keyed Note 6 applies. Please clarify.
The key note 6 on sheet E-101 should be placed at the continuation line in the NE corner of the drawing coming off of the duct bank line.

RFI 15060-002: Provide manufacturer and series/model information for existing kitchen panel to allow pricing of new circuit breaker(s) per Keyed Note 2.
GE bolt on type-22k AIC

RFI 15060-003: Provide manufacturer and series/model information for existing switchboard to allow pricing of new circuit breakers per Single-line Note C.
Existing SWBD is GE AV Line 3000 A with 2000 A sections, there is an older section that has older style GE breakers. An example of an existing beaker in the newer section is GE Spectra RMS Hi-Break cat # SGLB36BD0400 with a 225 amp rating plug# SRPG400A225. The breakers in the older section appear to

be type TJK-Cat # on existing 500 amp rated breaker-TJK636F000 which is a 600 amp frame with a 500 amp trip unit.

RFI 15060-004: Provide manufacturer and series/model information for existing panel 'ELSMDP' to allow pricing of new circuit breakers per Key Note 2.
The existing breakers are type FBN/FBV

RFI 15060-005: Provide manufacturer and series/model information for existing panel 'EDP' to allow pricing of new circuit breakers per Key Notes 3 and 6.
This panel is similar to the older section of the switchboard –type TJK and SGLB depending on the frame size.

RFI 15060-006: Provide floor plan of existing hospital showing potential or anticipated routing of conduits described by Key Note 5, including the location of the junction box at the perimeter of the existing ATS room in Building #18. During what hours will this work be performed?
No floor plan is available but, the distance is approximately 50 feet.

RFI 15060-007: It appears that the new 13'x10' manhole is to be placed over or in interference with existing underground utility primary medium voltage line(s) and existing potentially conflicts with these existing underground utility lines north of Building 20 and between the new manhole and Building 23, and north of Building 23 and west of Building 23. Provide a civil plan showing the elevations of these underground utility lines and potential conflicts with any other known underground utility or other structures or services.

The existing primary runs to the south of the manhole location. There are two lines running through where the manhole is proposed. One is indicated as a fiber optic line when it is a coax cable which does not appear to be in use, the other is an abandoned telephone line coming off of the telephone pedestal located on the west end of the MV bldg. The excavation for the duct bank that is to stop and turn up (note 6) will have to be hand trenching due to the fact the property line is very close to where the work will occur and there is not room for equipment to operate.

Phasing plans for medium voltage feeder terminations

The existing runs of MV cables are dual feeds, a preferred source and an alternate source that come from the MV building.

The successful contractor will need to switch over from the preferred source to the alternate source, make new terminations on the preferred feeder. When those terminations are tested and complete, reverse the sources and make the terminations on the source that is off. Once completed the VA can go back to the preferred source and the existing duct bank, man hole and feeders can be removed and disposed of. This will require coordination, a hot work permit, and an approved safety plan before proceeding. The outage will need to be scheduled with the VA prior to commencing work.

Solar powered water meter relocation

The civil plans call for an existing solar power water meter to be relocated. The solar panel is to be disconnected, and stored until it can be installed above the NE stair tower as construction progresses.

The electrical contractor is to install a 1" conduit in the wall of the new stair tower and turn out of the building below grade and run to new water meter location in the new man hole. The conduit in the wall is to be extended up as construction progresses and turn out on the roof to the new solar panel location. Coordinate with civil plans.

Submitted by HICAPS on 3/27/2015:

1. It appears that the new 13'x10' manhole is to be placed over or in interference with existing underground utility primary medium voltage line(s) and existing underground telecommunication utility line(s) –Sheet E-101. The new ductbank also crosses and potentially conflicts with these existing underground utility lines north of Building 20 and between the new manhole and Building 23, and north of Building 23 and west of Building 23. Provide a civil plan showing the elevations of these underground utility lines and potential conflicts with any other known underground utility or other structures or services. Duplicate, see above.

2. Keyed Note 6 on Sheet E-101 indicates a continuation of four 5" conduits from a ductbank, but there is no callout of Note 6 on the plan to indicate where Keyed Note 6 applies. Please clarify. Duplicate, see above.

3. Provide manufacturer and series/model information for existing kitchen panel to allow pricing of new circuit breaker(s) per Keyed Note 2 - Sheet E404. Duplicate, see above.

4. Provide manufacturer and series/model information for existing switchboard to allow pricing of new circuit breakers per Single-line Note C – Sheet E-601. Duplicate, see above.

5. Provide manufacturer and series/model information for existing panel 'ELSMDP' to allow pricing of new circuit breakers per Key Note 2 – Sheet E-601. Duplicate, see above.

6. Provide manufacturer and series/model information for existing panel 'EDP' to allow pricing of new circuit breakers per Key Notes 3 and 6. –Sheet E-601. Duplicate, see above.

7. Provide floor plan of existing hospital showing potential or anticipated routing of conduits described by Key Note 5, including the location of the junction box at the perimeter of the existing ATS room in Building #18. During what hours will this work be performed? Duplicate, see above.

8. Will any asbestos or other hazardous materials be encountered during the demolition phase? If so please provide asbestos surveys or hazardous material quantities for pricing. Known asbestos containing material (ACBM) has been within the main hospital building or outside of Bldg #23. Proper precautions must be taken to prevent ACBM damage and release of fibers. Refer to facility ACBM survey. Coordinate testing and removal/avoidance of suspected ACBM with COR.

9. Will an irrigation system be required? If so please provide an irrigation plan. No